In the Specification:

Please amend the specification as shown:

Please delete the paragraph on page 24, lines 22-30, and replace it with the following paragraph:

NOIs may also include marker genes (for example, encoding β-galactosidase or green fluorescent protein (GFP)) or genes whose products regulate the expression of other genes (for example, transcriptional regulatory factors, including the tet repressor/VP16 transcriptional activator fusion protein). In addition, NOIs may comprise sequences coding fusion protein partners in frame with a sequence encoding a protein of interest. Examples of fusion protein partners include the DNA binding or transcriptional activation domain of GAL4, a 6xHis tag **(SEQ ID NO: 33)** and β-galactosidase. It may also be desirable to add targeting sequences to target proteins encoding by NOIs to particular cell compartments or to secretory pathways. Such targeting sequences have been extensively characterized in the art.

Please delete the paragraph on page 63, lines 19-25 and replace it with the following paragraph:

Stat1 primer has a SalI compatible end (5') and a NruI (3') compatible end and has NheI and SalI sites in the middle (NB the 5' SalI site is destroyed upon cloning in to a SalI site in the genome:

```
SalI    NheI     SalI   NruI
TCGA-GCTAGC-GTCGAC-TCG (SEQ ID NO: 34)
     CGATCG-CAGCTG-AGC
```